

INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/JP2004/000680

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04R1/04 H03M3/04 H04R3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03M H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 051 799 A (PAUL ET AL) 24 September 1991 (1991-09-24) figure 1 column 1, line 6 - line 10 column 3, line 3 - line 13 column 4, line 41 - line 54 column 5, line 55 - line 65	1-18
X	WO 03/023970 A (MICROSEMI CORPORATION) 20 March 2003 (2003-03-20) figures 1-3 page 1, line 12 - line 14 page 2, line 1 - line 10 page 2, line 14 - line 17 page 2, line 24 - page 3, line 2 page 4, line 1 - line 2 page 5, line 23 - line 27 page 6, line 7 - line 26	1-18

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

8 February 2005

Date of mailing of the international search report

15/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Moscu, V

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/088709 A (SONION A/S; DERUGINSKY, MICHAEL; POULSEN, JENS, KRISTIAN; BOSCH, JOZEF) 23 October 2003 (2003-10-23) figure 1 page 1, line 3 - line 5 page 4, line 25 - line 31	4,5
A	US 6 326 912 B1 (FUJIMORI ICHIRO) 4 December 2001 (2001-12-04) figures 2,3 column 1, line 8 - line 12 column 4, line 61 - column 5, line 10	13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
DK 2004/000680

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5051799	A	24-09-1991	NONE	
WO 03023970	A	20-03-2003	WO 03023970 A2	20-03-2003
			US 2003223502 A1	04-12-2003
WO 03088709	A	23-10-2003	WO 03088709 A1	23-10-2003
			EP 1493303 A1	05-01-2005
			US 2004156520 A1	12-08-2004
			US 2003223592 A1	04-12-2003
US 6326912	B1	04-12-2001	NONE	